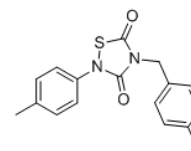


Product Name : CCG-50014
Cat. No. : PC-70013
CAS No. : 883050-24-6
Molecular Formula : C₁₆H₁₃FN₂O₂S
Molecular Weight : 316.35
Target : Regulators of G protein signaling (RGS)
Solubility : 10 mM in DMSO



Biological Activity

CCG-50014 (CCG50014) is a potent, selective, covalent inhibitor of **RGS4** with IC₅₀ of 30 nM.

CCG-50014 displays >20-fold selectivity for RGS4 over other RGS proteins.

CCG-50014 binds in an allosteric regulatory site, does not inhibit activity of the cysteine protease papain.

CCG-50014 reduces nociceptive responses and enhances opioid-mediated analgesic effects in the mouse formalin test.

CCG-50014 is a useful tool for studying the functional roles of RGS4.

References

Blazer LL, et al. *Biochemistry*. 2011 Apr 19;50(15):3181-92.

Vashisth H, et al. *ACS Chem Biol*. 2013 Dec 20;8(12):2778-84.

Yoon SY, et al. *Anesth Analg*. 2015 Mar;120(3):671-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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